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12B45V

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NEW 12" Woofer, 3" voice coil, 450 W, 94 dB



KEY FEATURES:

- 94 db 1W / 1m average sensitivity
- 77 mm high temperature aluminium voice coil
- 900 W AES program power
- Powerful, vented 180 mm magnet structure
- Aluminium demodulating ring for lower distortion and improved heat dissipation
- Silicone spider

PART NUMBER: 11112F0408

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Application : Woofer

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The 12B45V loudspeaker is combining very good linearity and efficiency with high power handling capabilities, with use of 77 mm aluminium voice coil. It features vented aluminium die cast frame, 180 mm magnet structure and curvilinear paper cone. 12B45V is suitable for application as LF driver in compact subwoofers.

SPECIFICATIONS

| | |
|---------------------------------|--------------------------|
| Nominal Diameter | 12"/310 inch/mm |
| Impedance | 8 Ohm |
| Minimum Impedance | 5.76 Ohm |
| Power Capacity AES ¹ | 450 W |
| Program Power ² | 900 W |
| Sensitivity | (50-200 Hz) 94 dB/W/m |
| Frequency Range | 40 - 2000 Hz |
| Voice Coil Diameter | 77 mm |
| Voice Coil Material | Aluminium |
| Voice Coil Former | Glassfiber |
| V. C. Winding Depth | 25 mm |
| Magnet Gap Depth | 8 mm |
| Cone Material | Paper with Kevlar fibers |
| Basket | Die cast aluminium |
| Magnet | Ferrite |
| Flux Density | 1.24 T |

THIELE-SMALL PARAMETERS

| | |
|------------|-----------------------|
| Fs | 47.88 Hz |
| Qms | 7.37 |
| Qes | 0.371 |
| Qts | 0.354 |
| Vas | 58.51 Litres |
| Mms | 69.86 grams |
| Re | 4.90 Ohms |
| Sd | 514.7 cm ² |
| Xmax* | ± 10.5 mm |
| Cms | 0.1582 mm/N |
| BL | 16.65 T.m |
| Le at 1kHz | 0.733 mH |

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 70 L box enclosure tuned 40 Hz using a 40-400 Hz band limited pink noise test signal applied continuously for 2 hours.

2. Program power is defined as 3db greater than AES Power Capacity.

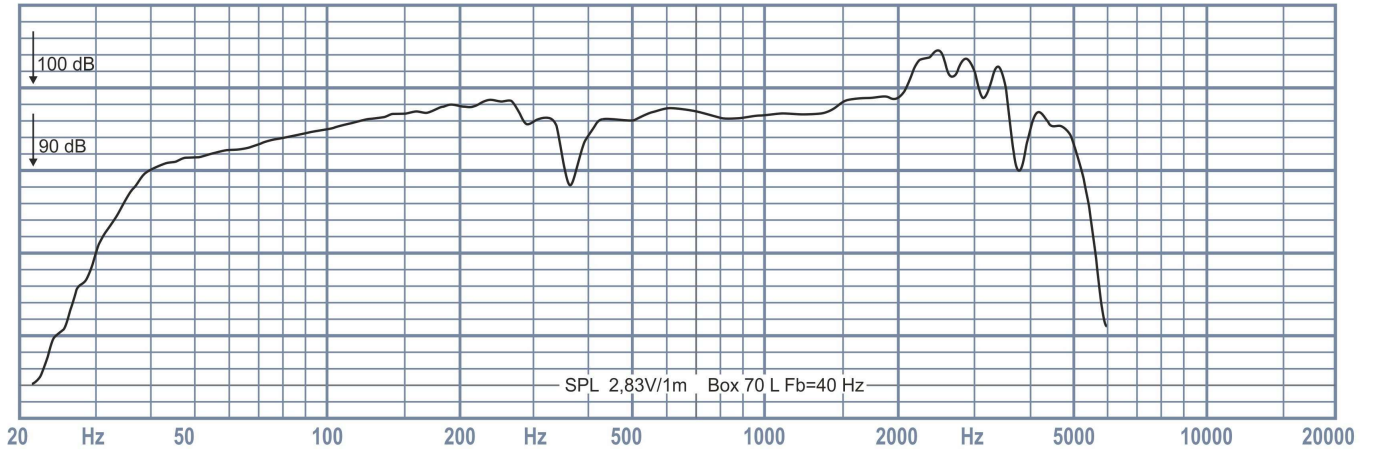
MOUNTING INFORMATION

| | |
|----------------------|-------------------|
| Overall Diameter | 315 mm |
| Baffle Hole Diameter | 280 mm |
| Mounting Holes | 8 elliptic 7x8 mm |
| Bolt Circle Diameter | 296 / 298 mm |
| Overall Depth | 158 mm |
| Net Weight | 7.65 kg |

RECONE KIT:

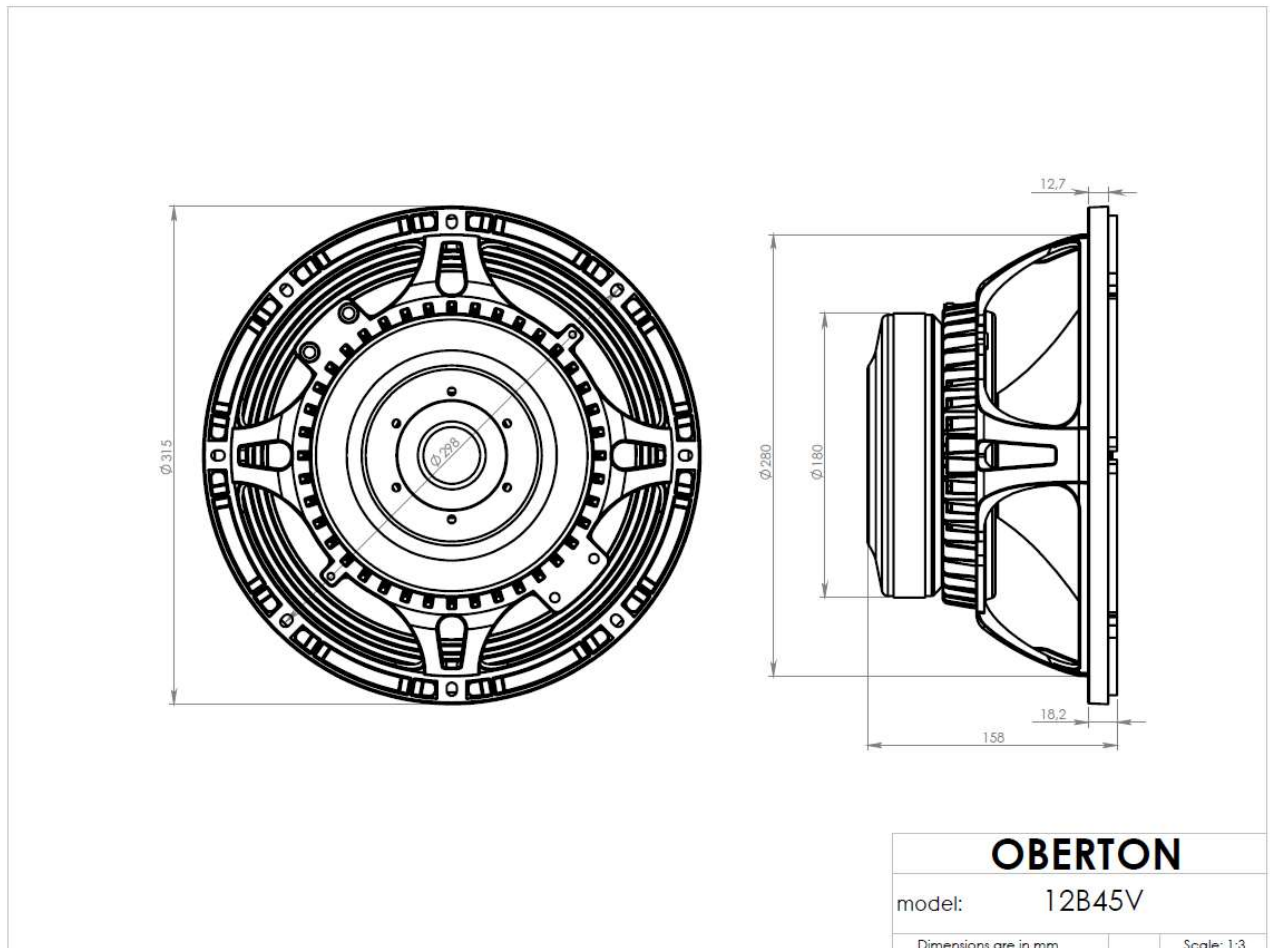
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Frequency Response

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